

METHOD AND APPARATUS FOR SCHEDULING PROCESSES BASED UPON VIRTUAL SERVER IDENTIFIERS

ABSTRACT

One embodiment of the present invention provides a system that schedules processes within an operating system based upon virtual server identifiers, wherein the operating system supports multiple virtual servers that operate within separate virtual environments on a single computing platform. Upon detecting an event that causes a scheduling priority for a process to be updated, the system looks up a virtual server identifier for the process. This virtual server identifier specifies a virtual server and an associated virtual environment that the process operates within. Next, the system uses the virtual server identifier to look up a scheduling priority associated with the virtual server, and then calculates an updated scheduling priority for the process based upon the scheduling priority for the virtual server.